



NILES®



INSTALLATION GUIDE



FOR AUTOMATED SWITCHING BETWEEN AUDIO/VIDEO SYSTEMS
VOLTAGE ACTIVATED SPEAKER LEVEL SWITCHING SYSTEM

SPK-1

CONGRATULATIONS!

Thank you for choosing the **SPK-1 Speaker Level Switching System** from Niles. With proper installation and operation, you should enjoy years of trouble-free use.

Niles manufactures the industry's most complete line of custom installation components and accessories for audio/video systems. To see the complete Niles product assortment, visit us on the Internet at: www.nilesaudio.com.

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INTRODUCTION

The SPK-1 is a two channel, speaker level A-B switch. The SPK-1 can be used to switch amplifiers, speakers, surround sound systems, or any application where a voltage-activated speaker-level switch is preferred.

Applying 12 volts DC to the control input connector activates the switch. A control output connector is also provided. The control output is internally connected in parallel with the SPK-1's control input. The control output can be used to control additional SPK-1's by "daisy-chaining" the control output of one unit to the control input of the next. Connecting two SPK-1's together enables you to switch four channels of speaker-level signals and connecting three units together lets you switch six channels, and so on. A maximum of 6 SPK-1's may be connected together in this manner.

The control output can also be used to connect other Niles switching devices such as the AC-3 Voltage Activated AC outlet and the AVS-2 Voltage Activated Line-Level Switch.

The SPK-1 is designed primarily to be used as an expansion unit for the Niles SAS-1 Signal Activated A-B Switch. The SAS-1 is an automatic A-B switch designed to replace manually operated A-B switches. It automatically switches from A to B when a signal is present at input B. The SAS-1 can switch any combination of line-level audio, speaker-level audio and composite video signals. Using its control out connector, the SAS-1 can be used as the "master" unit which activates other "slave" units such as the SPK-1, AVS-2 and AC-3. Please refer to www.nilesaudio.com for more information on these and other Niles switching systems available.

FEATURES

- *Replaces manually operated A-B switches*
- *Audio power handling: 600W per channel*
- *SPK-1 is activated by 12Volt DC signal (100mA minimum)*
- *Requires 12Volt DC adapter to trigger SPK-1 from the switched outlet of a receiver or preamp, can also be triggered by the 12Volt output of a Niles APC-2, AC-3, AVS-2, SAS-1 or RFS-1*
- *12Volt control output for activating other Niles devices such as an APC-2, AC-3, AVS-2, SAS-1 or RFS-1*
- *Note: This unit is not a Signal-Sensing Switcher; if signal-sensing is required use the SAS-1 or ABS-1*
- *Premium nickel-plated five-way binding post connectors*
- *Two-year limited warranty*

INSTALLATION

CONNECTIONS

Refer to figures 1 through 3 on the following pages.

Strip approximately 1/4" – NO MORE – of insulation from each wire. Twist the free ends of each wire tightly together and insert them into the appropriate holes in the binding posts. Secure by turning the binding posts until they are hand-tight. **BE SURE TO OBSERVE PROPER PHASING** – connect the positive terminals of the amplifier(s) and speakers to the positive terminals of the SPK-1 and connect the negative terminals of the amplifier(s) and speakers to the negative terminals of the SPK-1.

Connect the 12 volt DC source which will activate the SPK-1 to the "CONTROL IN" connector. An optional DC adapter is available from Niles Audio. **BE SURE TO OBSERVE PROPER POLARITY WHEN MAKING THIS CONNECTION.**

Any other switching devices to be activated at the same time may be "daisy chained" together by using the "CONTROL OUT" connector.

INSTALLATION CONTINUED

Figure 1. Using an SPK-1 to switch a pair of speakers between 2 different receivers.

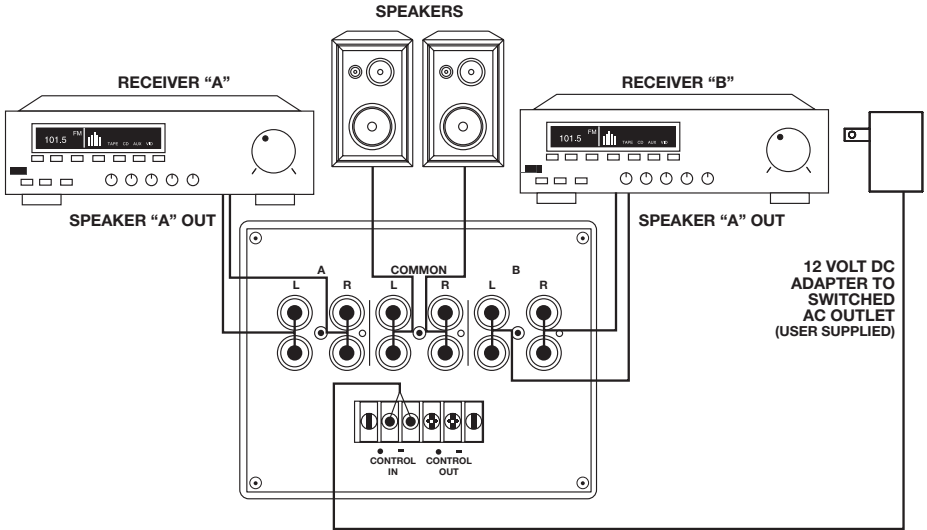
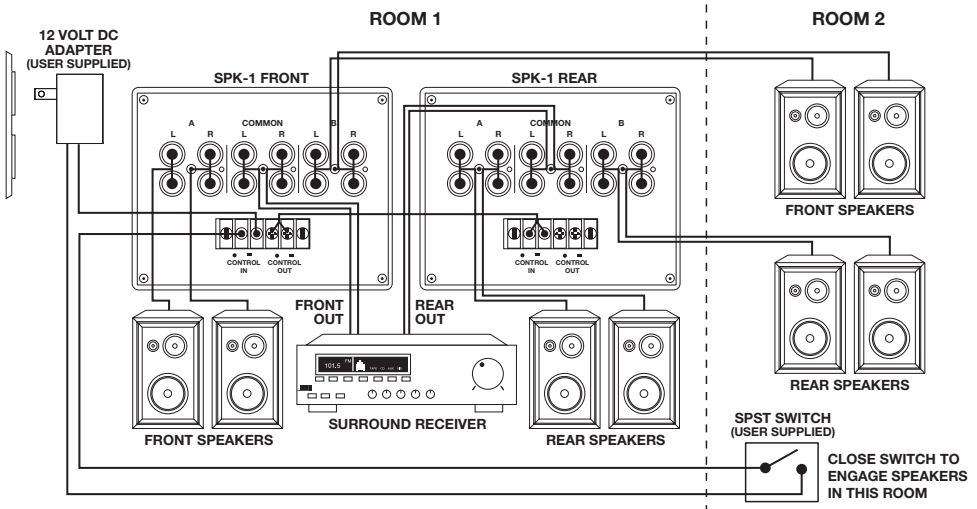
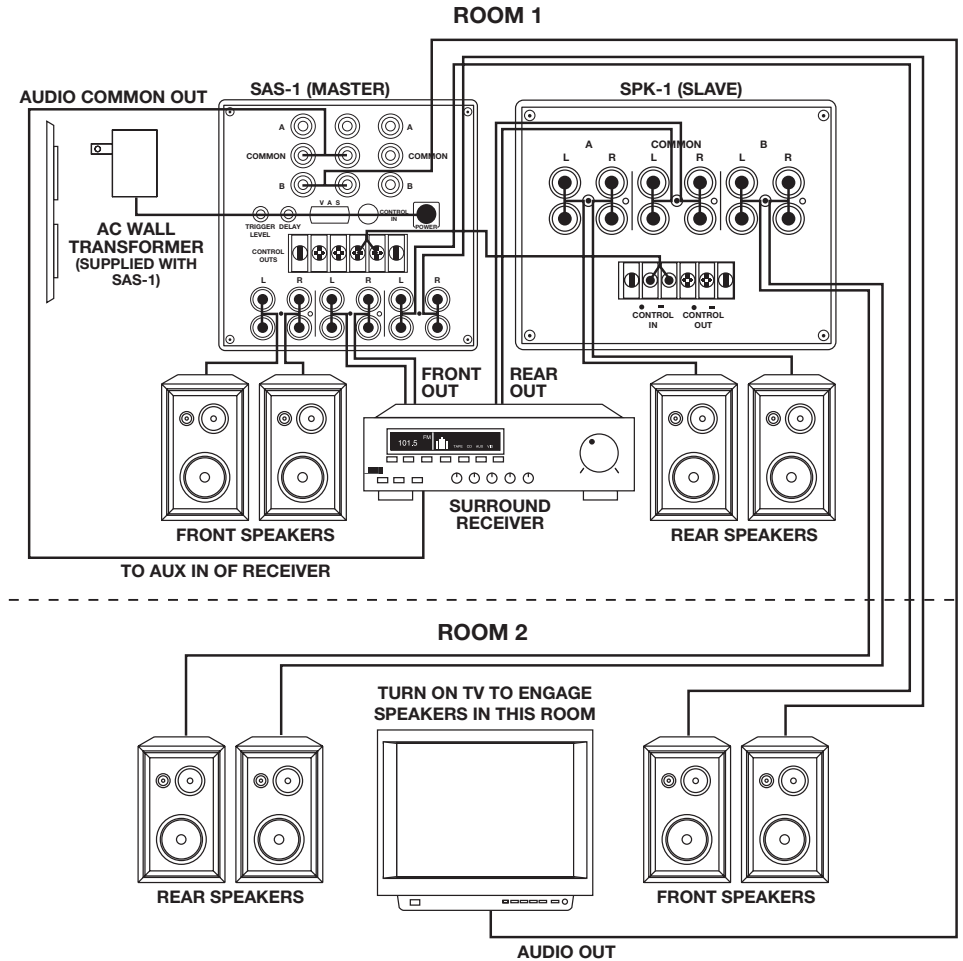


Figure 2. Manually switching 4 channels of speakers between 2 rooms using two SPK-1's.



INSTALLATION CONTINUED

Figure 3. Automatically switching 4 channels of speakers between two rooms using an SAS-1 and an SPK-1.



SPECIFICATIONS

Speaker Level Power Handling:

600 Watts/channel continuous (RMS)

Connectors:

Five-way speaker wire binding posts

Power Requirements:

12 volts DC at .1 Amp (100 milliamps)

Overall Dimensions:

6-13/16" wide x 3-1/8" high x 5-5/16" deep

Weight:

1-1/2 lbs.

LIMITED WARRANTY

NILES AUDIO CORPORATION ("NILES") WARRANTS ITS ACTIVE PRODUCTS (THOSE REQUIRING AC OR BATTERY POWER) TO THE ORIGINAL PURCHASER TO BE FREE OF MANUFACTURING DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF TWO YEARS FROM DATE OF PURCHASE.

THIS WARRANTY IS SUBJECT TO THE FOLLOWING ADDITIONAL CONDITIONS AND LIMITATIONS. THE WARRANTY IS VOID AND INAPPLICABLE IF NILES DEEMS THAT THE PRODUCT HAS BEEN USED OR HANDLED OTHER THAN IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BY THE MANUFACTURER, INCLUDING BUT NOT LIMITED TO DAMAGE CAUSED BY ACCIDENT, MISHANDLING, IMPROPER INSTALLATION, ABUSE, NEGLIGENCE, OR NORMAL WEAR AND TEAR, OR ANY DEFECT CAUSED BY REPAIR TO THE PRODUCT BY ANYONE OTHER THAN NILES OR AN AUTHORIZED NILES DEALER.

TO OBTAIN WARRANTY SERVICE, TAKE THE UNIT TO THE NEAREST AUTHORIZED NILES DEALER, WHO WILL TEST THE PRODUCT AND IF NECESSARY, FORWARD IT TO NILES FOR SERVICE. IF THERE ARE NO AUTHORIZED NILES DEALERS IN YOUR AREA, YOU MUST WRITE TO NILES AND INCLUDE YOUR NAME, MODEL AND SERIAL NUMBER OF YOUR UNIT, ALONG WITH A BRIEF DESCRIPTION OF THE PROBLEM. A FACTORY RETURN AUTHORIZATION NUMBER WILL BE SENT TO YOU. DO NOT RETURN ANY UNIT WITHOUT FIRST RECEIVING WRITTEN AUTHORIZATION AND SHIPPING INSTRUCTIONS FROM NILES.

IF THE ABOVE CONDITIONS ARE MET, THE PURCHASER'S SOLE REMEDY SHALL BE TO RETURN THE PRODUCT TO NILES, IN WHICH CASE NILES WILL REPAIR OR REPLACE, AT ITS SOLE OPTION, THE DEFECTIVE PRODUCT WITHOUT CHARGE FOR PARTS OR LABOR. NILES WILL RETURN A UNIT REPAIRED OR REPLACED UNDER WARRANTY BY SHIPPING SAME BY ITS USUAL SHIPPING METHOD FROM THE FACTORY (ONLY) AT ITS EXPENSE WITHIN THE UNITED STATES OF AMERICA. THERE ARE NO OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION, EITHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCT.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER/PURCHASER. NILES SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES EXCEPT TO THE EXTENT PROVIDED (OR PROHIBITED) BY APPLICABLE LAW.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

**FOR THE NAME OF YOUR NEAREST AUTHORIZED NILES DEALER CONTACT:
NILES AUDIO CORPORATION, P.O. BOX 160818, MIAMI, FLORIDA 33116-0818.**

Please fill in your product information and retain for your records.

Model _____ Serial No. _____ Purchase Date _____

WARRANTY REGISTRATION CARD

Model Purchased _____

Serial Number _____

Date Purchased (month/day/year) _____

Dealer Name and Location _____

Dr. Miss Mr. Mrs. Ms.

Name _____

Address _____

City _____ State _____ Zip _____

Telephone () _____

Please take a moment to fill out our warranty registration card. The information helps us to get to know you better and develop the products you want

Age:

- Under 25
- 25-34
- 35-44
- 45-54
- 55 & over

Income:

- Under \$24,999
- \$25,000-\$44,999
- \$45,000-\$74,999
- \$75,000-\$99,999
- \$99,999-\$129,999
- Over \$130,000

Occupation:

- Arts/Entertainment
- Business Owner
- Engineer
- Finance/Accounting
- General Office
- Management
- Professional
- Sales/Marketing
- Student
- Tradesperson

Musical tastes:

(Please check all that apply)

- Alternative
- Classical
- Country
- Jazz
- New Age
- Popular
- R&B
- Rock
- Other _____

How did you hear about Niles?

- Architect/Developer
- Custom Installer
- Direct Mail
- Friend/Family
- In-Store Display
- Interior Designer
- Magazine Ad
- Mail-Order Catalog
- Newspaper Ad
- Product Brochure
- Product Review
- Retail Salesperson
- E-Tailer

What magazines do you read?

1. _____
2. _____
3. _____

Who will install the product?

- Custom Installer
- Electrician
- Friend
- Myself
- Builder

Which factor(s) influenced the purchase of your Niles product? (Please check all that apply)

- Ease of Use
- Price/Value
- Product Features
- Quality/Durability
- Reputation/Brand
- Style/Appearance
- Warranty

Do you . . . ?

Own a House. If yes, how many square feet?

- Own a Town House/Condominium/Co-op
- Rent an Apartment
- Rent a House

Are you interested in receiving literature on other Niles products?
 Yes No

Are there products/capabilities that you would like to see introduced?



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